ATTACHMENT G COST BREAKDOWN BY SUBREGION

Funding Information Including Grants

Conceptual Capital Cost Evaluation for Geographic Subregion #1 --Cape Coral, Waterway Estates, and North Ft. Myers
Proposed Estimated Annual © & M

Proposed	Estimated	Process of the Control		Alliuaro extr	
Alternative	Benefit (MGD)	Description	Capital Cost	Cost	Total Cost
Surface Water ASF					
		9 Wells and			
		Pumping			
Gator Slough	7.0	Station	\$9,840,000	\$131,000	\$9,980,000
	-	4 Wells and			
-		Pumping			
Horseshoe Canal	3.0	Station	\$5,240,000	\$65,000	\$5,310,000
		4 Wells and			
		Pumping			
Hermosa Canal	3.0	Station	\$5,240,000	\$65,000	\$5,310,000
Reclaimed Water A	SR				
East of Del Prado		3 Wells and			
Blvd. near Veterans		Pumping			
Memorial Parkway	2.0	Station	\$3,710,000	\$44,000	\$3,760,000
,					
Interconnect			·	· 	г -
Between Cape					
Coral and North Ft.	•	Reuse			
Myers	N/A	Interconnect	\$530,000	N/A	\$530,000
Mine Pits				· · · · · · · · · · · · · · · · · · ·	1 + 100 000
Limerock	0.8	6 wells	\$480,000	N/A	\$480,000
Jay Rock	0.8	6 wells	\$480,000	N/A	\$480,000
Babcock	1.8	10 wells	\$800,000	N/A	\$800,000
					T + 0 < 0 < 0 < 0 < 0 < 0 < 0 < 0 < 0 < 0
Sum	18.4		\$26,550,000	\$305,000	\$26,860,000

- 1. Amortization of 20 years
- 2. Interest rate = 8%

3. Includes \$150,000 for supplementary infrastructure

Conceptual Capital Cost Evaluation for Geographic Subregion #2 -- Ft. Myers Central, Ft. Myers South, Gateway, and Lehigh Acres

Proposed Alternative	Estimated Benefit (MGD) Description	Capital Cost	Annual O & M Cost	Total Cost
Reclaimed Water A	.SR	STATE TO STATE OF THE STATE OF	VI (100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 -		The state of the s
		12 Wells and			
East of I-75, SW of		Pumping		,	
82	9.0	Station	\$12,010,000	\$161,000	\$12,180,000

Interconnect					
Along Daniels					
Pkwy. and Six Mile		Reuse			
Cypress	N/A	Interconnect	\$3,360,000	N/A	\$3,360,000
Sum	9.0		\$15,520,000	\$161,000	\$15,540,000

- 1. Amortization of 20 years
- 2. Interest rate = 8%
- 3. Includes \$150,000 for supplementary infrastructure

Conceptual Capital Cost Evaluation for Geographic Subregion #3 -- GES, Fiesta Village, and Ft. Myers Beach

Proposed	Estimated			Annual O & N	Í
Alternative	Benefit (MGD)	Description	Capital Cost	Cost	Total Cost
Surface Water AS	R				
		16 Wells and			
		Pumping			
Ten Mile Canal	12.0	Station	\$15,380,000	\$206,000	\$15,590,000

Reclaimed Water A	SR				
South of Gladiolus					
Dr. between S.		7 Wells and			
Tamiami Trail and		Pumping			
Summerlin Rd.	5.0	Station	\$7,550,000	\$95,000	\$7,650,000

Interconnect					
Along Daniels					
Pkwy. and south		Reuse			
along I-75	N/A	Interconnect	\$3,480,000	N/A	\$3,480,000

Sum 17.0	\$26,560,000	\$301,000	\$26,870,000

- 1. Amortization of 20 years
- 2. Interest rate = 8%
- 3. Includes \$150,000 for supplementary infrastructure

Conceptual Capital Cost Evaluation for Geographic Subregion #4 -North Collier, Pelican Bay, and Bonita Springs

Proposed	Estimated			Annual O & M	Total Cost
Alternative	Benefit (MGD)	Description	Capital Cost	Cost	Total Cost
Surface Water ASR			<u></u>		··
		7 Wells and	<u> </u>		
		Pumping			
Cocohatchee Canal	5.0	Station	\$7,550,000	\$95,000	\$7,650,000
	·	20 Wells and			
		Pumping			
Imperial River	15.0	Station	\$19,330,000	\$257,000	\$19,590,000
,		27 Wells and			
Golden Gate Canal -		Pumping			
17th Ave.	20.0	Station	\$26,630,000	\$332,000	\$26,970,000
Reclaimed Water A	SR				
North of Immokalee		6 Wells and			
Rd. between I-75		Pumping			
and Tamiami Trail	4.0	Station	\$6,020,000	\$80,000	\$6,100,000
·					
Interconnect Along US 41 north		Reuse	<u></u>		
of County Boundary	N/A	Interconnect	\$550,000	N/A	\$550,000
of County Boundary	IV/A	micreomicet	\$330,000	IVA	φυυσ,000
Mine Pits		<u> </u>			
Golden Gate	1.5	6 wells	\$480,000	N/A	\$480,000
Surface Water With	idrawals*	 	<u>; </u>		
Golden Gate Canal -			NI/A	NT/A	NI/A
17 Ave.	6.0		N/A	N/A	N/A
Sum	51.5		\$60,750,000	\$770,000	\$61,520,000
DWIII	21,2	<u> </u>	\$50,750,000	Ψ770,000	401,020,000

- 1. Amortization of 20 years
- 2. Interest rate = 8%
- 3. Includes \$150,000 for supplementary infrastructure
- * Costs are included in the sums for surface water ASR as the same infrastructure will be utilized

Conceptual Capital Cost Evaluation for Geographic Subregion #5 -- Naples, South Collier, and Marco Island

Proposed Alternative	Estimated Benefit (MGD)	Description	Capital Cost	Annual O & M Cost	Total Cost
Surface Water ASR	Annual Control of the Control of				
		34 Wells and			
Golden Gate Canal -		Pumping			
Airport/Livingston	25.0	Station	\$28,530,000	\$386,000	\$28,920,000
		34 Wells and			
		Pumping			
Faka Union Canal	25.0	Station	\$40,410,000	\$386,000	\$40,800,000
Reclaimed Water A	SR				
		10 Wells and			
Near Davis Blvd. &		Pumping			
Airport Pulling Rd.	7.5	Station	\$10,630,000	\$139,000	\$10,770,000

Interconnect		Ton.			
At Golden Gate and		Reuse			
Livingston	N/A	Interconnect	\$268,000	N/A	\$268,000
Surface Water With	ndrawale*				
Golden Gate Canal -	1U1 A 11 A 15				
Airport/Livingston	8.2		N/A	N/A	N/A
Faka Union Canal	6.4		1 1/1 1	11/12	
			.,		
Sum	72.1		\$79,990,000	\$920,000	\$80,910,000

- 1. Amortization of 20 years
- 2. Interest rate = 8%
- 3. Includes \$150,000 for supplementary infrastructure
- * Costs are included in the sums for surface water ASR as the same infrastructure will be utilized

Table 1 South Florida Water Management District irrigation Water Supply Costs Summary of Total Costs by Subregion

Subregion	 1	 2	 3	 4	 5
Annual Debt Service	\$ 1,027,900	\$ 605,100	\$ 1,031,700	\$ 3,622,600	\$ 5,119,800
Debt Service Coverage (1)	256,975	151,275	257,925	905,650	1,279,950
Annual O & M Costs (2)	303,251	160,617	 299,684	 761,536	909,129
Total	\$ 1,588,126	\$ 916,992	\$ 1,589,309	\$ 5,289,786	\$ 7,308,879
Production:					
MGD	18.4	9.0	17.0	51.5	72.1
Average Days Per Year	180	180	180	180	180
Annual gallons (000)	3,312,000	1,620,000	3,060,000	9,270,000	12,978,000
Cost per 1000 gallons (1)	\$ 0.48	\$ 0.57	\$ 0.52	\$ 0.57	\$ 0.56
Cost per 1000 gallons w/out					
grant funding ⁽³⁾	\$ 0.87	\$ 1.03	\$ 0.94	\$ 0.72	\$ 0.67

- (1) The debt service coverage funding amounts shown represent an allowance of 25% of the annual debt service based on the SRF Loan Program's minimum coverage requirement of 15% adjusted upward to also reflect the need for funding certain renewals and replacements that may occur during the term of the loans.
- (2) Annual operations and maintenance (O & M) costs include:
 - 1. Daily adjustment of injection rates, measurement of water quality
 - 2. Weekly sample procurement for laboratory analyses
 - 3. Calibration of flowmeters and gauges semi-annually
 - 4. Preparation of monthly regulatory reports to FDEP.
 - 5. Submersible pump maintenance 6. General Maintenance

 - 7. Record keeping
 - 8. Electricity for pumping
 - 9. Costs for pretreatment and filtration
- (3) Displays cost per 1000 gallons with only SRF funding

Table 2
South Florida Water Management District
Irrigation Water Supply Costs
Subregion 1 Summary of Project Costs

		Itemized Ca	pital Costs (\$N	/ I)			(\$M)				
	Description	Wells	Pumping	Pipelines	Engineering/	Total	Operations and	Total	Estimated	Financ	ing %
Project			Station		Supervision	Capital	Maintenance	Costs	Benefit (MGD)	SRF	Bond
SUB 1 6. Gator Slough	9 wells and pumping station	5.2	1.3	0.18	1.2	9.8	2.0	11.8	7.0	100%	0%
SUB 1 7. Hermosa Canal	4 wells and pumping station	2.4	1.1	0.08	0.6	5.2	1.0	6.2	3.0	100%	0%
SUB 1 8. Horseshoe Canal	4 wells and pumping station	2.4	1.1	0.08	0.6	5.2	1.0	6.2	3.0	100%	0%
SUB 1 4. Cape Coral/Waterway Estates/ North Ft. Myers	3 wells and pumping station	1.5	1.0	0.06	0.4	3.7	0.6	4.3	2.0	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	0.42	0.0	0.5	0.0	0.5	0.0	100%	0%
Mine Pits	22 wells	1.4	0.0	0.0	0.0	1.8	0.0	1.8	3.4	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	100%	0%
Subregion Totals	·	12.9	4.4	0.8	2.9	26.5	4.5	30.9	18.4	26.5	0.0

 Debt Service
 \$ 1,027,900

 Coverage
 256,975

 O&M
 303,251

 Total Cost
 \$ 1,588,126

Production:

MGD 18.4 Days per year 180 Annual 1000 gal 3,312,000

Annual Cost per 1000 gallons \$ 0.48

Worksheet 2A Irrigation Water Supply Costs Subregion 1 <u>Financing Assumptions</u>

Line No.	Description	Percent	Amount
s	ERF Loau		
1	Total Projects Funded	•	26,500,000
2	Adjustment - 50% Grant Funding/\$14M M	aximum	(13,250,000)
3	Net Amount of Projects Funded from Loan		13,250,000
	Issuance and Surety Costs		
4	Loan Repayment Reserve	3.00%	397,500
5	Loan Service Fee	2.00%	265,000
6	Surety Costs (%)	0.00%	0
7	Underwriters Discount	0.00%	0
8	Total Issuance Costs		662,500
9	Capitalized Interest		696,000
10	Additional Proceeds		0
11	Principal Amount of Loan		14,608,500
	Level Debt Service Payment:		
12	Tenn-Years		20
13	Avg. Interest Rate		3.50%
14	First Year of Amortization		4
15	% First Year Payment		100.00%
16	Average Annual Payment		1,027,900

Loan Cap Int	. с	alculation				
Fiscal Year		Anguel Principal Draw	Cemulative Bajance	% Total	Anr	wal Interes
1	\$	3,312,500	3,312,500	25.0%	s	58,00
2	\$	6,625,000	9,937,500	50.0%		232,00
3	\$	3,312,500	13,250,000	25.0%		406,00
4	\$		13,250,000	0.0%		
5	\$	-	13,250,000	0.0%		
					\$	696,00
	Τo	tal Capitalized Interest			s	696,00

Revenue Bonds

17	Total Projects Funded		0
18	Adjustment	_	0
19	Net Amount of Projects Funded from Loan		v
	Issuance and Surety Costs		
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0_
24	Total Issuance Costs	_	0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
	Level Debt Service Payment:		
28	Term-Years		30
29	Avg. Interest Rate		5.50%
30	First Year of Amortization		1
31	% First Year Payment		100.00%
32	Average Annual Payment		0

Loan Cap Int	. C	alculation				
Fiscal Year		Annual Principal Draw	Cumulative Balance	% Total	Annu	al Interes
1	\$		0	0.0%	5	-
2	\$	•	0	0.0%		
3	\$	-	0	0.0%		
4	\$		0	0.0%		
5	s	-	0	0.0%		
					\$	
	Tol	al Capitalized Interest	•		s	-

Summary of Annual	Debt Service:
SRF Loan	\$1,027,900
Revenue Bonds	\$0
Total	\$1,027,900
	Revenue Bonds

Table 3
South Florida Water Management District
Irrigation Water Supply Costs
Subregion 2 Summary of Project Costs

•		Itemized Capital Costs (\$M)									
	Description	Wells	Pumping	Pipelines	Engineering/	Total	Operations and	Total	Estimated	Financ	ing %
Option Description			Station		Supervision	Capital	Maintenance	Costs	Benefit (MGD)	SRF	Bond
SUB 2 5. Ft. Myers Central and South/ Gateway/Lehigh Acres	12 wells and pumping station	6.5	1.4	0.23	1.4	12.0	2.4	14.4	9.0	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	2.69	0.0	3.36	0.0	3.36	0.0	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	100%	0%
Subregion Totals		6.5	1.4	2.9	1.4	15.6	2.4	17.8	9.0	15.6	0.0

Debt Service	\$ 605,100
Coverage	151,275
O&M	 160,617
Total Cost	\$ 916,992

Production:

MGD 9.0 Days per year 180 Annual 1000 gal 1,620,000

Annual Cost per 1000 gallons \$ 0.57

Worksheet 3A Irrigation Water Supply Costs Subregion 2 <u>Financing Assumptions</u>

ine No.	Description	Percent	Amount
s	RF Loan		
1	Total Projects Funded		15,600,000
2	Adjustment - 50% Grant Funding/\$14M N	Maximum	(7,8 <u>00,000)</u>
3	Net Amount of Projects Funded from Loa	n	7,800,000
	Issuance and Surety Costs	•	
4	Loan Repayment Reserve	3.00%	234,000
5	Loan Service Fee	2.00%	156,000
6	Surety Costs (%)	0.00%	0
7	Underwriters Discount	0.00%	0
8	Total Issuance Costs	•	390,000
9	Capitalized Interest		410,000
10	Additional Proceeds		0
11	Principal Amount of Loan		8,600,000
	Level Debt Service Payment:		
12	Term-Years	•	20
13	Avg. Interest Rate		3.50%
14	First Year of Amortization		4
15	% First Year Payment		100.00%
16	Average Annual Payment		605,100

Loan Cap Int	. Calculatio	n				
Fiscal Year	Ansual	Principal Draw	Cumulative Balance	% Total	Azın	ual Inter
1	s	1,950,000	1,950,000	25.0%	\$	34,0
2	\$	3,900,000	5,850,000	50.0%		137,0
3	\$	1,950,000	7,800,000	25.0%		239,0
4	\$	-	7,800,000	0.0%		
5	\$	-	7,800,000	0.0%		
l			· · · · · · · · · · · · · · · · · · ·		\$	410,0
	Total Capit	alized Interest			\$	410,0

Revenue Bonds

17	Total Projects Funded		0
18	Adjustment		0
19	Net Amount of Projects Funded from Loan		0
	Issuance and Surety Costs		
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
	Level Debt Service Payment:		
28	Term-Years		30
29	Avg. Interest Rate		5.50%
30	First Year of Amortization		1
31	% First Year Payment		100.00%
32	Average Annual Payment		0

Loan Cap Int	. Calculation	n				
Fiscal Year	Annuai	Priscipal Draw	Cumulative Balance	% Total	Anmai	Inte
1	\$		0	0.0%	\$	
2	\$	-	0	0.0%		
3	\$	-	0	0.0%		
4	\$	-	0	0.0%		
5	s	•	0	0.0%		
•	<u>.</u>				\$	
	Tank Carin	alized Interest			s	

-	Summary of Annual	Debt Service:
33	SRF Loan	\$605,100
34	Revenue Bonds	\$0
35	Total	\$605,100

Table 4
South Florida Water Management District
Irrigation Water Supply Costs
Subregion 3 Summary of Project Costs

		Itemized Ca	apital Costs	(\$M)			(\$M)				
	Description	Wells	Pumping	Pipelines	Engineering/	Total	Operations and	Total	Estimated	Finar	ncing
Option Description			Station		Supervision	Capital	Maintenance ²	Costs	Benefit (MGD)	SRF	Bonds
SUB 3 5. Ten Mile Canal	16 wells and pumping station	8.6	1.6	0.31	1.8	15.4	3.1	18.5	12.0	100%	0%
SUB 3 3. GES/Fiesta Village/ Ft. Myers Beach	7 wells and pumping station	3.8	1.2	0.14	0.9	7.5	1.4	9.0	5.0	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	2.78	0.0	3.5	0.0	3.5	0.0	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	100%	0%
Subregion Totals		12.4	2.8	3.2	2.7	26.6	4.5	30.9	17.0	26.6	0.00

Debt Service	\$ 1,031,700
Coverage	257,925
O&M	299,684
Total Cost	\$ 1,589,309

Production:

MGD 17.0
Days per year 180
Annual 1000 gallons 3,060,000

Annual Cost per 1000 gallons \$ 0.52

Worksheet 4A Irrigation Water Supply Costs Subregion 3 <u>Financing Assumptions</u>

No.	Description	Percent	Amount
s	ERF Loan		
1	Total Projects Funded		26,600,000
2	Adjustment - 50% Grant Funding/\$14M Ma	ximum _	(13,300,000)
3	Net Amount of Projects Funded from Loan	_	13,300,000
	Issuance and Surety Costs		
4	Loan Repayment Reserve	3.00%	399,000
5	Loan Service Fee	2.00%	266,000
6	Surety Costs (%)	0.00%	0
7	Underwriters Discount	0.00%	0
8	Total Issuance Costs	_	665,000
9	Capitalized Interest		698,000
10	Additional Proceeds		0
11	Principal Amount of Loan		14,663,000
	Level Debt Service Payment:		
12	Term-Years		20
13	Avg. Interest Rate		3.50%
14	First Year of Amortization		4
15	% First Year Payment		100.00%
16	Average Annual Payment		1,031,700

Loan Cap Int	. с	alculation				
Fiscal Year		Annual Princips? Draw	Cumulative Balance	% Total	Anr	nual Intere
1	\$	3,325,000	3,325,000	25.0%	\$	58,00
2	\$	6,650,000	9,975,000	50.0%		233,00
3	\$	3,325,000	13,300,000	25.0%		407,00
4	\$		13,300,000	0.0%		
5	\$	-	13,300,000	0.0%		
1				<u> </u>	s	698,00
	ፐስ	tal Capitalized Interest			s	698.0

Revenue Bonds

17	Total Projects Funded		0
18	Adjustment		0
19	Net Amount of Projects Funded from Loan		0
	Issuance and Surety Costs		
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
	Level Debt Service Payment:		
28	Term-Years		30
29	Avg. Interest Rate		5.50%
30	First Year of Amortization		1
31	% First Year Payment		100.00%
32	Average Annual Payment		0

Loan Cap Int	. Calculation			
Fiscal Year	Angual Principal Draw	Cumulative Balance	% Total	Annual Interes
ī	\$ -	0	0.0%	s -
2	s -	0	0.0%	
3	\$ -	0	0.0%	
4	\$	0	0.0%	
5	-	0	0.0%	
•				s -
	Total Capitalized Interest			s .

Table 5
South Florida Water Management District
Irrigation Water Supply Costs
Subregion 4 Summary of Project Costs

		Itemized Ca	pital Costs	(\$M)			(\$M)				
	Description	Wells	Pumping	Pipelines	Engineering/	Total	Operations and	Totai	Estimated	Finar	ncing
Option Description			Station		Supervision	Capital	Maintenance ²	Costs	Benefit (MGD)	SRF	Bond
SUB 4 4. Cocohatchee River	7 wells and pumping station	3.8	1.2	0.14	0.9	7.5	1.4	9.0	5.0	100%	0%
SUB 4 9. Imperial River	20 wells and pumping station	10.8	2.0	0.39	2.3	19.3	3.8	23.2	15.0	100%	0%
SUB 4 2. North Collier/Pelican Bay/ Bonita Springs	6 wells and pumping station	2.9	1.1	0.12	0.7	6.0	1.2	7.2	4.0	100%	0%
SUB 4 1. Golden Gate Canal - SW 17th Ave.	27 wells and pumping station	14.1	2.2	2.11	2.9	26.6	5.0	31.6	20.0	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	0.4	0.0	0.55	0.0	0.55	0.0	100%	0%
Mine Pits	6 wells	0.4	0.0	0.0	0.0	0.48	0.0	0.48	1.5	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	100%	0%
Surface Water Withdrawals Golden Gate Canal - 17th Ave. (added 10/24/02)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	100%	0%
Subregion Totals		32.0	6.4	3.2	6.8	60.7	11.4	72.0	51.5	60.7	0.0

Debt Service	\$ 3,622,600	Production:	
Coverage	905,650	MGD	51.5
O&M	761,536	Days per year	180
Total Cost	\$ 5,289,786	Annual 1000 gal	9,270,000

Annual Cost per 1000 gallons \$ 0.57

Worksheet 5A Irrigation Water Supply Costs Subregion 4 <u>Financing Assumptions</u>

ine Vo.	Description	Percent	Amount
	RF Loan		
•	Kr Loau		
1	Total Projects Funded		60,700,000
2	Adjustment - 50% Grant Funding/\$14M Maximu	un _	(14,000,000)
3	Net Amount of Projects Funded from Loan		46,700,000
	Issuance and Surety Costs		
4	Loan Repayment Reserve	3.00%	1,401,000
5	Loan Service Fee	2.00%	934,000
6	Surety Costs (%)	0.00%	0
7	Underwriters Discount	0.00%	0
8	Total Issuance Costs		2,335,000
9	Capitalized Interest		2,451,000
10	Additional Proceeds		0
11	Principal Amount of Loan		51,486,000
	Level Debt Service Payment:		
12	Term-Years		20
13	Avg. Interest Rate		3.50%
14	First Year of Amortization		4
15	% First Year Payment		100.00%
16	Average Annual Payment		3,622,600

Loan Cap Int	. Calculati	0π				
Fiscal Year	Аплиа	l Principal Draw	Cumulative Balance	% Total	An	nual Int
1	\$	11,675,000	11,675,000	25.0%	\$	204
2	\$	23,350,000	35,025,000	50.0%		817
3	\$	11,675,000	46,700,000	25.0%		1,436
4	\$	-	46,700,000	0.0%		
5	\$	•	46,700,000	0.0%		
ı					\$	2,451
	Total Cari	talized Interest			s	2,451

Revenue Bonds

17	Total Projects Funded		0
18	Adjustment		0_
19	Net Amount of Projects Funded from Loan		0
	Issuance and Surety Costs		
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	.0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
	Level Debt Service Payment:		
28	Term-Years		30
29	Avg. Interest Rate		5.50%
30	First Year of Amortization		1
31	% First Year Payment		100.00%
32	Average Annual Payment		0

2012. Grap 21		alculation				
Fiscal Year		Annual Principal Draw	Cumulative Balance	% Total	Annual	Lnt
1	\$		0	0.0%	\$	_
2	\$		0	0.0%		
3	\$		0	0.0%		
4	\$		0	0.0%		
5	\$	• .	0	0.0%		
					\$	
	т	tal Capitalized Interest			\$	

	Summary of Annual Debt Service:			
33	SRF Loan	\$3,622,600		
34	Revenue Bonds	\$0		
35	Total	\$3,622,600		

Table 6
South Florida Water Management District
Irrigation Water Supply Costs
Subregion 5 Summary of Project Costs

		Itemized Ca	pital Costs	(\$M)			(\$M)				
Option Description	Description	Wells	Pumping Station	Pipelines	Engineering/ Supervision	Total Capital	Operations and Maintenance ²	Total Costs	Estimated Benefit (MGD)	Finar SRF	cing Bond
SUB 5 2. Golden Gate Canal - Airport Road	34 wells and pumping station	16.5	2.3	0.66	3.4	28.5	5.8	34.3	25.0	100%	0%
SUB 5 3. Faka Union Slough	34 wells and pumping station	16.5	2.3	10.17	3.4	40.4	5.8	46.2	25.0	100%	0%
SUB 5 1, Naples/South Collier/Marco	10 wells and pumping station	5.6	1.4	0.20	1.3	10.6	2.1	12.7	7.5	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	0.21	0.0	0.27	0.0	0.3	0.0	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	100%	0%
Surface Water Withdrawals Goden Gate Canal - Airport/Livingston (added 10-24-02)		0.0	0.0	0.00	0.0	0.0	0.0	0.0	8.2	100%	0%
Surface Water Withdrawals Faka Union Canal (added 10-24-02)		0.0	0.0	0.00	0.0	0.0	0.0	0.0	6.4	100%	0%
Subregion Totals		38.6	6.0	11.2	8.0	80.0	13.6	93.5	72.1	80.0	0.0

 Debt Service
 \$ 5,119,800

 Coverage
 1,279,950

 O&M
 909,129

 Total Cost
 \$ 7,308,879

Production:

MGD 72.1 Days per year 180 Annual 1000 gallons 12,978,000

Cost per 1000 gallons \$ 0.56

Worksheet 6A Irrigation Water Supply Costs Subregion 5 <u>Financing Assumptions</u>

:	Description Pen	cent	Amount					
S	RF Loan							
1	Total Projects Funded		80,000,000					
2 3	Adjustment - 50% Grant Funding/\$14M Maximum Net Amount of Projects Funded from Loan		(14,000,000) 66,000,000					
4 5 6	Issuance and Surety Costs Loan Repayment Reserve Loan Service Fee Surety Costs (%)	3.00% 2.00% 0.00%	1,980,000 1,320,000 0					
7 8 9	Underwriters Discount Total Issuance Costs Capitalized Interest	0.00%	3,300,000 3,465,000					
0	Additional Proceeds Principal Amount of Loan		0 72,765,000	Loan Cap Int. Calculation	n			
2	Level Debt Service Payment: Term-Years		20			Cumulative		
3 4 5	Avg. Interest Rate First Year of Amortization % First Year Payment		3.50% 4 100.00%	Fiscal Year Annual	Principal Draw 16,500,000 33,000,000	Balance 16,500,000 49,500,000	% Total 25.0% 5	Annual Inter 289,0 1,155,0
6	Average Annual Payment		5,119,800	3 \$ 4 \$	16,500,000	66,000,000 66,000,000 66,000,000	25.0% 0.0% 0.0%	2,021,0
				5 \$	-	00,000,000		
				<u>L</u> .	<u></u>			3,465, 3.465,
				<u>L</u> .	alized Interest			
	tevenue Bonds		0	<u>L</u> .	<u></u>	3,00,00		
7	Total Projects Funded		0	<u>L</u> .	<u></u>			
7			0 0 0	<u>L</u> .	<u></u>			
7 3 9	Total Projects Funded Adjustment Net Amount of Projects Funded from Loan Issuance and Surety Costs Issuance Costs (%)	0.50%	0 0	<u>L</u> .	<u></u>			
7 3 9 0 1 2	Total Projects Funded Adjustment Net Amount of Projects Funded from Loan Issuance and Surety Costs Issuance Costs (%) Underwriters Discount Bond Insurance Premium	0.50% 0.50% 0.30% 3.00%	0 0 0 0 0 0	<u>L</u> .	<u></u>			
7 8 9 0 1 2 3 4	Total Projects Funded Adjustment Net Amount of Projects Funded from Loan Issuance and Surety Costs Issuance Costs (%) Underwriters Discount Bond Insurance Premium Surety Costs (%) Total Issuance Costs Capitalized Interest	0.50% 0.30%	0 0 0 0 0 0 0	<u>L</u> .	<u></u>			
7 8 9 0 1 2 3 4 5 6	Total Projects Funded Adjustment Net Amount of Projects Funded from Loan Issuance and Surety Costs Issuance Costs (%) Underwriters Discount Bond Insurance Premium Surety Costs (%) Total Issuance Costs	0.50% 0.30%	0 0 0 0 0 0	<u>L</u> .	alized Interest			
7 8 9 0 1 2 3 4 5 6 7	Total Projects Funded Adjustment Net Amount of Projects Funded from Loan Issuance and Surety Costs Issuance Costs (%) Underwriters Discount Bond Insurance Premium Surety Costs (%) Total Issuance Costs Capitalized Interest Additional Proceeds	0.50% 0.30%	0 0 0 0 0 0 0	Total Cupits	alized Interest	Cumulative		3.463
7 8 9 0 1 2 3 4 5 6 7 8 9	Total Projects Funded Adjustment Net Amount of Projects Funded from Loan Issuance and Surety Costs Issuance Costs (%) Underwriters Discount Bond Insurance Premium Surety Costs (%) Total Issuance Costs Capitalized Interest Additional Proceeds Principal Amount of Loan Level Debt Service Payment: Term-Years Avg. Interest Rate First Year of Amortization	0.50% 0.30%	0 0 0 0 0 0 0 0 0 0 0 30 5.50%	Loan Cap Int. Calculation	alized Interest	Cumulative Balance	% Total 0.0%	Annual In
	Total Projects Funded Adjustment Net Amount of Projects Funded from Loan Issuance and Surety Costs Issuance Costs (%) Underwriters Discount Bond Insurance Premium Surety Costs (%) Total Issuance Costs Capitalized Interest Additional Proceeds Principal Amount of Loan Level Debt Service Payment: Term-Years Avg. Interest Rate	0.50% 0.30%	0 0 0 0 0 0 0 0 0 0	Total Capita Loan Cap Int. Calculatio	alized Interest	Cumulative Balance	% Total	Annual Int

Total Capitalized Interest

	Summary of Annual Debt Service:				
33	SRF Loan	\$5,119,800			
34	Revenue Bonds	\$0			
35	Total	\$5,119,800			

Funding Information Without Grants

Table 1 South Fiorida Water Management District Irrigation Water Supply Costs Summary of Total Costs by Subregion

Subregion	Hors Hei Caps W	1 ator Slough seshoe Canal mosa Canal e Coral/Water- ay Estates/ Fort Myers	& Sc	2 Myers Central outh/Gateway/ shigh Acres	Fie	3 n Mile Canal GES/ esta Village/ t Myers Bch.	Imp Gold (SV Ne	4 cohatchee & perial Rivers en Gate Canal V 17th Ave.) orth Collier/ elican Bay/ nita Springs	s (Airport Roac nał Faka Union Slo) Naples/South Co Marco		
Annual Debt Service Debt Service Coverage(1) Annual O & M Costs (2)	\$	2,055,700 513,925 303,251	\$ 	1,210,100 302,525 160,617 1,673,242	\$ 	2,063,500 515,875 299,684 2,879,059	\$ 	4,708,700 1,177,175 761,536 6,647,411	\$	6,205,800 1,551,450 909,129 8,666,379	
Total Production: MGD Average Days Per Year Annual gallons (000)	\$	2,872,876 18.4 180 3,312,000	\$	9.0 180 1,620,000	Ψ	17.0 180 3,060,000	ű	51.5 180 9,270,000	*	72.1 180 12,978,000	
Cost per 1000 gallons	\$	0.87	\$	1.03	\$	0.94_	\$	0.72	\$	0.67	

(2) Annual operations and maintenance (O & M) costs include:

- 1. Daily adjustment of injection rates, measurement of water quality
- Weekly sample procurement for laboratory analyses
 Calibration of flowmeters and gauges semi-annually
- 4. Preparation of monthly regulatory reports to FDEP.
- Submersible pump maintenance
 General Maintenance
- 7. Record keeping
- 8. Electricity for pumping

⁽¹⁾ The debt service coverage funding amounts shown represent an allowance of 25% of the annual debt service based on the SRF Loan Program's minimum coverage requirement of 15% adjusted upward to also reflect the need for funding certain renewals and replacements that may occur during the term of the loans.

Table 2 South Florida Water Management District Irrigation Water Supply Costs Subregion 1 Summary of Project Costs

		Itemized C	apital Costs (\$	M)			(\$M)				
Project	Description	Wells	Pumping Station	Pipeliлеs	Engineering/ Supervision	Total Capital	Operations and Maintenance	Total Costs	Estimated Benefit (MGD)	Finan SRF	cing % Bond
SUB 1 6. Gator Slough	9 wells and pumping station	5,2	1.3	0.18	1.2	9.8	2.0	11.8	7.0	100%	0%
SUB 1 7. Hermosa Canal	4 wells and pumping station	2.4	1.1	0.08	0,6	5.2	1.0	6,2	3,0	100%	0%
SUB 1 8. Horseshoe Canal	4 wells and pumping station	2.4	1.1	0.08	0.6	5.2	1.0	6.2	3.0	100%	0%
SUB 1 4. Cape Coral/Waterway Estates/ North Ft. Myers	3 wells and pumping station	1.5	1.0	0.06	0.4	3.7	0.6	4.3	2.0	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	0.42	0.0	0.5	0.0	0.5	0,0	100%	0%
Mine Pits	22 wells	1.4	0.0	0.0	0.0	1.8	0,0	1.8	3,4	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	100%	0%
Subregion Totals	1	12.9	4.4	0.8	2.9	26.5	4.5	30.9	18.4	26.5	0.0

Annualized Costs:

Debt Service

2,055,700

Coverage O&M

513,925 303,251

Total Cost

2,872,876

Production: MGD

Days per year Annual 1000 gal

Annual Cost per 1000 gallons

#REF!

Worksheet 2A Irrigation Water Supply Costs Subregion I <u>Financing Assumptions</u>

Description	Percent	Amount
RF Loan		
Total Projects Funded		26,500,000
Adjustment - 50% Grant Funding/\$14M	Maximum _	0
Net Amount of Projects Funded from Lo	an	26,500,000
Issuance and Surety Costs		
	3.00%	795,000
Loan Service Fee	2.00%	530,000
Surety Costs (%)	0.00%	0
Underwriters Discount	0.00%	0
Total Issuance Costs	_	1,325,000
Capitalized Interest		1,392,000
Additional Proceeds		0
Principal Amount of Loan		29,217,000
Level Debt Service Payment:		
Term-Years		20
Avg. Interest Rate		3.50%
First Year of Amortization		4
% First Year Payment		100.00%
Average Amual Payment		2,055,700
	RF Loan Total Projects Funded Adjustment - 50% Grant Funding/\$14M Net Amount of Projects Funded from Lo Issuance and Surety Costs Loan Repayment Reserve Loan Service Fee Surety Costs (%) Underwriters Discount Total Issuance Costs Capitalized Interest Additional Proceeds Principal Amount of Loan Level Debt Service Payment: Term-Years Avg. Interest Rate First Year of Amortization	RF Loan Total Projects Funded Adjustment - 50% Grant Funding/\$14M Maximum Net Amount of Projects Funded from Loan Issuance and Surety Costs Loan Repayment Reserve 3.00% Loan Service Fee 2.00% Surety Costs (%) 0.00% Underwriters Discount 0.00% Total Issuance Costs Capitalized Interest Additional Proceeds Principal Amount of Loan Level Debt Service Payment: Term-Years Avg. Interest Rate First Year of Amortization

oan Cap Int.	Calculation				
Fiscal Year	Annual Principal Draw	Cumulative Balance	% Total	Ann	wal Interes
	\$ 6,625,000	6,625,000	25.0%	\$	116,000
2	s 13,250,000	19,875,000	50.0%		464,000
3	\$ 6,625,000	26,500,000	25.0%		812,000
4	.	26,500,000	0.0%		1
5	s -	26,500,000	0.0%		(
L				s	1,392,00
	Fotal Capitalized Interest			\$	1,392,00

Revenue Bonds

17	Total Projects Funded		0
18	Adjustment		
19	Net Amount of Projects Funded from Loan		•
	Issuance and Surety Costs		
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
	Level Debt Service Payment:	•	
28	Term-Years		30
29	Avg. Interest Rate		5.50%
30	First Year of Amortization		1
31	% First Year Payment		100.00%
32	Average Annual Payment		0

Loan Cap Int.	Cŧ	alculation				
Fiscal Year		Annual Principal Draw	Cumulative Balance	% Total	Annusi li	nter
	s	•	0	0.0%	\$	_
2	ŝ		0	0.0%		
3	s		0	0.0%		
4	5		0	0.0%		
1	\$	-	0	0.0%		
Ĺ			<u> </u>		\$	
	Tol	tal Capitalized Interest			s	

33	Summary of Annual	Debt Service:
	SRF Loan	\$2,055,700
34	Revenue Bonds	\$0
35	Total	\$2,055,700

Table 3
South Florida Water Management District
Irrigation Water Supply Costs
Subregion 2 Summary of Project Costs

		Itemized C	apital Costs	(\$M)			(\$M)		J i		
Option Description	Description	Wells	Pumping Station		Engineering/ Supervision	Total Capital	Operations and Maintenance	Total Costs	Estimated Benefit (MGD)		cing % Bond
SUB 2 5. Ft. Myers Central and South/ Gateway/Lehigh Acres	12 wells and pumping station	6.5	1.4	0.23	1.4	12.0	2.4	14.4	9.0	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	2.69	0.0	3.36	0.0	3.36	0.0	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	100%	0%
Subregion Totals		6.5	1.4	2.9	1.4	15.6	2.4	17.8	9.0	15.6	0.0

Debt Service

1,210,100

Coverage O&M

302,525 160,617

Total Cost

Production:

1,673,242

MGD

9.0 180

Days per year Annual 1000 gal

1,620,000

Annual Cost per 1000 gallons

1.03

Worksheet 3A Irrigation Water Supply Costs Subregion 2 <u>Financing Assumptions</u>

Line No.	Description	Percent	Amount
8	ERF Loan		
1	Total Projects Funded		15,600,000
2	Adjustment - 50% Grant Funding/\$14M N	faximum	0
3	Net Amount of Projects Funded from Loa	n .	15,600,000
	Issuance and Surety Costs		
4	Loan Repayment Reserve	3.00%	468,000
5	Loan Service Fee	2.00%	312,000
6	Surety Costs (%)	0.00%	0
7	Underwriters Discount	0.00%	0
8	Total Issuance Costs		780,000
9	Capitalized Interest		819,000
10	Additional Proceeds		0
11	Principal Amount of Loan		17,199,000
	Level Debt Service Payment:		
12	Term-Years		20
13	Avg. Interest Rate		3.50%
14	First Year of Amortization		4
15	% First Year Payment		100.00%
16	Average Annual Payment		1,210,100

Loan Cap Int	. C	alculation				
Fiscal Year		Annual Principal Draw	Cumulative Balance	% Total	Ann	ual Interes
1	\$	3,900,000	3,900,000	25.0%	\$	68,00
2	\$	7,800,000	11,700,000	50.0%		273,00
3	\$	3,900,000	15,600,000	25.0%		478,00
4	\$	-	15,600,000	0.0%		
5	\$	-	15,600,000	0.0%		
			•		\$	819,00
	Tal	tal Capitalized Interest			s	819.00

Revenue Bonds

17	Total Projects Funded		0
18	Adjustment		0
19	Net Amount of Projects Funded from Loan		0
	Issuance and Surety Costs		
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
	Level Debt Service Payment:		
28	Term-Years		30
29	Avg. Interest Rate		5.50%
30	First Year of Amortization		1
31	% First Year Payment		100.00%
32	Average Annual Payment		0

Loan Cap Int	. Calculation				
Fiscal Year	Annual Pri	ncipal Draw	Cumulative Balance	% Total	Annual Inte
1	S	•	0	0.0%	S
2	\$	-	0	0.0%	
3	\$	-	0	0.0%	
4	\$		0	0.0%	
5	\$	-	0	0.0%	
l					\$
	Total Capitaliz	4 1			\$

	Summary of	Annual Debt Service:
33	SRF Loan	\$1,210,100
34	Revenue Bo	nds\$0
35	Total	\$1,210,100

Table 4 South Florida Water Management District Irrigation Water Supply Costs Subregion 3 Summary of Project Costs

		itemized Capital		(\$M)			(\$M)				
Option Description	Description	Wells	Pumping Station	Pipelines	Engineering/ Supervision	Total Capital	Operations and Maintenance ²	Total Costs	Estimated Benefit (MGD)	Final SRF	ncing Bonds
SUB 3 5. Ten Mile Canal	16 wells and pumping station	8.6	1.6	0.31	1.8	15.4	3.1	18.5	12.0	100%	0%
SUB 3 3. GES/Fiesta Village/ Ft. Myers Beach	7 welfs and pumping station	3.8	1.2	0.14	0.9	7.5	1.4	9.0	5.0	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	2.78	0.0	3.5	0.0	3.5	0.0	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	100%	0%
Subregion Totals		12.4	2.8	3.2	2.7	26.6	4.5	30.9	17.0	26.6	0.00

Debt Service

2,063,500

Coverage O&M

515,875 299,684

Total Cost

2,879,059

Production:

MGD

17.0

Days per year 180 Annual 1000 gallons 3,060,000

180

Annual Cost per 1000 gallons

0.94

Worksheet 4A Irrigation Water Supply Costs Subregion 3 Financing Assumptions

Description	Percent	Amount
RF Loan		
Total Projects Funded		26,600,000
Adjustment - 50% Grant Funding/\$14M l	Maximum _	
Net Amount of Projects Funded from Los	an	26,600,000
Issuance and Surety Costs		
Loan Repayment Reserve	3.00%	798,000
Loan Service Fee	2.00%	532,000
Surety Costs (%)	0.00%	(
Underwriters Discount	0.00% _	(
Total Issuance Costs		1,330,000
Capitalized Interest		1,397,000
Additional Proceeds		(
Principal Amount of Loan		29,327,000
Level Debt Service Payment:		
Term-Years		20
Avg. Interest Rate		3.509
First Year of Amortization		
% First Year Payment		100.00%
Average Annual Payment		2,063,500
	RF Loan Total Projects Funded Adjustment - 50% Grant Funding/\$14M Net Amount of Projects Funded from Loa Issuance and Surety Costs Loan Repayment Reserve Loan Service Fee Surety Costs (%) Underwriters Discount Total Issuance Costs Capitalized Interest Additional Proceeds Principal Amount of Loan Level Debt Service Payment: Term-Years Avg. Interest Rate First Year of Amortization % First Year Payment	RF Loan Total Projects Funded Adjustment - 50% Grant Funding/\$14M Maximum Net Amount of Projects Funded from Loan Issuance and Surety Costs Loan Repayment Reserve 3.00% Loan Service Fee 2.00% Surety Costs (%) 0.00% Underwriters Discount 0.00% Total Issuance Costs Capitalized Interest Additional Proceeds Principal Amount of Loan Level Debt Service Payment: Term-Years Avg. Interest Rate First Year of Amortization % First Year Payment

Loan Cap Int	C	alculation				
Fiscal Year		Annual Principal Draw	Cumulative Balance	% Total	An	nual late
1	\$	6,650,000	6,650,000	25.0%	\$	116,
2	\$	13,300,000	19,950,000	50.0%		466,
3	\$	6,650,000	26,600,000	25.0%		815,
4	\$	-	26,600,000	0.0%		
5	\$	•	26,600,000	0.0%		
			<u>'</u>	· <u> </u>	\$	1,397,
	_	tal Capitalized Interest			s	1,397,

Revenue Bonds

0
U
.50% 0
.50% 0
.30% 0
.00%0
0
0
0
0
30
5.50%
1
100.00%
0
0

Loan Cap Int.	Calculatio	n				
Fiscal Year	Annual	Principal Draw	Cumulative Balance	% Total	Annua	l Inter
1	\$		0	0.0%	\$	-
2	\$		0	0.0%		
3	\$		0	0.0%		
4	\$	-	0	0.0%		
5	s	٠	0	0.0%		
l				<u>-</u> .	s	-
	Total Cani	alized Interest			s	

 Summary of Annual
 Debt Service:

 SRF Loan
 \$2,063,500

 Revenue Bonds
 \$0

 Total
 \$2,063,500

Table 5 South Florida Water Management District Infigation Water Supply Costs Subregion 4 Summary of Project Costs

		ilemized C	apital Costs	(SM)			(\$M)				l
Option Description	Description	Wella		Pipelines	Engineering/ Supervision	Total Capital	Operations and Maintenance ²	Total Costs	Estimated Benefit (MGD)	Final SRF	noing Bon
SUB 4 4. Cocchatchee River	7 wells and pumping station	3.8	1.2	0.14	0.9	7.5	1.4	9.0	5.0	100%	0%
SUB 4 9. Imperial River	20 wells and pumping station	10.8	2.0	0.39	2.3	19.3	3.8	23.2	15.0	100%	0%
SUB 4 2. North Collier/Pelican Bay/ Bontta Springs	6 wells and pumping station	2.9	1.1	0.12	0.7	6.0	1.2	7.2	4.0	100%	0%
SUB 4 1. Golden Gale Canal SW 17th Ave	27 wells and pumping station	14.1	2.2	2.11	2.9	26.6	5.0	31.6	20.0	100%	0%
interconnect	Reuse Interconnect	0.0	0.0	0.4	0.0	0.55	0.0	0.55	0.0	100%	0%
Mine Pits	6 wells	0.4	0.0	0.0	0.0	0.48	0.0	0.48	1.5	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	100%	0%
Surface Water Withdrawals Golden Gate Canal - 17th Ave. (added 10/24/02)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	100%	0%
Subregion Totals		32.0	6.4	3.2	6.8	60.7	11.4	72.0	51.5	60.7	0.0

Debt Service Coverage O&M Total Cost

4,708,700 1,177,175 761,536 6,647,411

Production: MGD Days per year Annual 1000 gal

51.5 180 9,270,000

Annual Cost per 1000 gailons

0.72

Worksheet 5A Irrigation Water Supply Costs Subregion 4 <u>Financing Assumptions</u>

ine Io.	Description	Percent	Amount
s	RF Loan		
1	Total Projects Funded		60,700,000
2	Adjustment - 50% Grant Funding/\$14M Maximu	m _	0
3	Net Amount of Projects Funded from Loan		60,700,000
	Issuance and Surety Costs		
4	Loan Repayment Reserve	3.00%	1,821,000
5	Loan Service Fee	2.00%	1,214,000
6	Surety Costs (%)	0.00%	0
7	Underwriters Discount	0.00%	0
8	Total Issuance Costs		3,035,000
9	Capitalized Interest		3,187,000
10	Additional Proceeds		0
11	Principal Amount of Loan		66,922,000
	Level Debt Service Payment:		
12	Term-Years		20
13	Avg. Interest Rate		3.509
14	First Year of Amortization		
15	% First Year Payment		100.00%
16	Average Annual Payment		4,708,700

Loan Cap Int.	Calculati	on				
Fiscal Year	Annua	l Principal Draw	Cumulative Balance	% Total	An	nual Inter
1	s	15,175,000	15,175,000	25.0%	\$	266,0
2	\$	30,350,000	45,525,000	50.0%		1,062,0
3	\$	15,175,000	60,700,000	25.0%		1,859,0
4	\$	-	60,700,000	0.0%		
5	\$	-	60,700,000	0.0%		
		·			\$	3,187,0
	Total Can	ialized Interest			5	3,187,0

Revenue Bonds

17	Total Projects Funded		0
18 19	Adjustment Net Amount of Projects Funded from Loan		0
17	Not rimount of Fragotis Falloca 110211 Zout		
	Issuance and Surety Costs		_
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
	Level Debt Service Payment:		
28	Term-Years		30
29	Avg. Interest Rate		5.50%
30	First Year of Amortization		1
31	% First Year Payment		100.00%
32	Average Annual Payment		0

Loan Cap Int.	Сисиноп					
Fiscal Year	Annual Princi	ipal Draw	Cumulative Balance	% Total	Annual In	ter
1	S	·	0	0.0%	\$	٠.
2	s	_	0	0.0%		
I	\$	-	0	0.0%		
I	s		0	0.0%		
I	\$	•	0	0.0%		
ι					s	-
	Total Capitalized	1			s	

| Summary of Annual Debt Service: | 33 | SRF Loan | \$4,708,700 | 34 | Revenue Bonds | \$0 | 35 | Total | \$4,708,700 |

Table 6 South Florida Water Management District Irrigation Water Supply Costs Subregion 5 Summary of Project Costs

	· · · · · · · · · · · · · · · · · · ·	Itemized Ca	pital Costs	(\$M)			(\$M)		<u>.</u> 1	 Financing	
Option Description	Description	Wells		Pipelines	Engineering/ Supervision	Total Capital	Operations and Maintenance ²	Total Costs	Estimated Benefft (MGD)	Final SRF	ncing Bond
SUB 5 2. Golden Gate Canal - Airport Road	34 wells and pumping station	16.5	2.3	0.66	3.4	28.5	5.8	34.3	25.0	100%	0%
SUB 5 3. Faka Union Slough	34 wells and pumping station	16.5	2.3	10.17	3.4	40.4	5.8	46.2	25.0	100%	0%
SUB 5 1. Naples/South Collier/Marco	10 wells and pumping station	5.6	1.4	0.20	1.3	10.6	2.1	12.7	7.5	100%	0%
Interconnect	Reuse Interconnect	0.0	0.0	0.21	0.0	0.27	0.0	0.3	0.0	100%	0%
Supplementary Infrastructure		0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	100%	0%
Surface Water Withdrawals Goden Gate Canal - Airport/Livingston (added 10-24-02)		0.0	0,0	0.00	0.0	0.0	0.0	0.0	8.2	100%	0%
Fake Union Canal (added 10-24-02)	***************************************	0.0	0.0	0.00	0.0	0.0	0.0	0.0	6.4	100%	0%
Subregion Totals		38.6	6.0	11.2	8.0	80.0	13.6	93.5	72.1	80.0	0.0

Annualized Costs:

 Debt Service
 \$ 6,205,800

 Coverage
 1,551,450

 O&M
 909,129

 Total Cost
 \$ 8,666,379

Production:

MGD 72.1 Days per year 180 Annual 1000 gallons 12,978,000

Cost per 1000 gallons \$ 0.67

Worksheet 6A Irrigation Water Supply Costs Subregion 5 Financing Assumptions

0

	Description	Percent	Amount
SI	RF Loan		
1	Total Projects Funded		80,000,000
2	Adjustment - 50% Grant Funding/\$14M Maximum	· _	0
3	Net Amount of Projects Funded from Loan		80,000,000
	Issuance and Surety Costs		
4	Loan Repayment Reserve	3.00%	2,400,000
5	Loan Service Fee	2.00%	1,600,000
6	Surety Costs (%)	0.00%	0
7	Underwriters Discount	0.00%	
8	Total Issuance Costs		4,000,000
9	Capitalized Interest		4,200,000
10	Additional Proceeds		C
11	Principal Amount of Loan		88,200,000
	Level Debt Service Payment:		
12	Term-Years		20
13	Avg. Interest Rate		3.509
14	First Year of Amortization		400.00
15	% First Year Payment		100.00%
16	Average Annual Payment		6,205,800

Loan Cap Int	. Calculatio	n				
Fiscal Year	Annual	Principal Draw	Cumulative Balance	% Total	An	nual Inter
ı	\$	20,000,000	20,000,000	25.0%	s	350,0
2	\$	40,000,000	60,000,000	50.0%		1,400,0
3	\$	20,000,000	80,000,000	25.0%		2,450,0
4	\$	-	80,000,000	0.0%		
5	\$	÷	80,000,000	0.0%		
		<u> </u>	 -		S	4,200.0
	.	alized Interest			s	4,200,0

Revenue Bonds

33 34 35

18	Adjustment		0
19	Net Amount of Projects Funded from Loan	-	0
	Issuance and Surety Costs		
20	Issuance Costs (%)	0.50%	0
21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0

21	Underwriters Discount	0.50%	0
22	Bond Insurance Premium	0.30%	0
23	Surety Costs (%)	3.00%	0
24	Total Issuance Costs		0
25	Capitalized Interest		0
26	Additional Proceeds		0
27	Principal Amount of Loan		0
	Level Debt Service Payment:		
28	Term-Years		30
29	Avg. Interest Rate		5.50%
30	First Year of Amortization		1
31	% First Year Payment		100.00%
32	Average Annual Payment		0

Loan Cap Int.	C	alculation				
Fiscal Year		Annual Principal Draw	Cumulative Balance	% Total _	Annual	[nter
1	s	-	0	0.0%	\$	-
2	\$		0	0.0%		
3	s		0	0.0%		
4	\$	-	0	0.0%		
5	\$	•	0	0.0%		
	_		<u> </u>		s	
	Тc	stal Capitalized Interest			s	

Summary of Annua	Debt Service:
SRF Loan	\$6,205,800
Revenue Bonds	\$0
Total	\$6,205,800